



2016 CALGREEN RESIDENTIAL CHECKLIST MANDATORY ITEMS - Version 1.01.17

COMMUNITY DEVELOPMENT DEPARTMENT – BUILDING DIVISION
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PURPOSE:

The 2016 CALGreen Code applies to all newly constructed hotels, motels, lodging houses, dwellings, dormitories, condominiums, shelters, congregate residences, employee housing, factory-built housing and other types of dwellings with sleeping accommodations and new accessory buildings associated with such uses. This section also applies to additions and alterations where there is an increase in conditioned space and specifies that these requirements only apply to the specific area of the addition or alteration. Existing site and landscaping improvements that are not otherwise disturbed are not subject to the requirements of CALgreen.

Project Name: _____

Project Address: _____

Project Description: _____

Instructions (for projects of 300 sq. ft. or more):

1. The owner or owner's agent shall employ a licensed qualified green-point rater (www.builditgreen.org) experienced with the 2013 California Green Building Standards Codes to verify and assure that all required work described herein is properly planned and implemented in the project.
 2. The green-point rater, in collaboration with the owner and the design professional shall review **Column 2** of this checklist, and initial all applicable measures, sign and date **Section 1 –Design Verification** at the end of this checklist, prior to submittal. Applicant to include these pages into the construction plans as well as provide (2) separate 8-1/2" x 11" signed copies.
- PRIOR TO FINAL INSPECTION BY THE BUILDING DEPARTMENT**, the green-point rater shall complete Column 3 and sign and Date **Section 2 – Implementation Verification** at the end of this checklist and submit the completed form to the Building Department.

MANDATORY FEATURE OR MEASURE	COLUMN 2 Project Requirements Rater to initial applicable measures prior to submitting forms	COLUMN 3 Verification Rater to verify during construction as applicable to project
<u>Planning and Design</u>		
Site Development		
4.106.2 A plan is developed and implemented to manage storm water drainage during construction.		
4.106.3 Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings.		
4.106.4 Provide capability for electric vehicle charging in one- and two-family dwellings and in townhouses with attached private garages; and 3 percent of total parking spaces, as specified, for multifamily dwellings.		

<u>Energy Efficiency</u>		
General		
4.201.1 Building meets or exceeds the requirements of the <i>California Building Energy Efficiency Standards</i> ³ .		
<u>Water Efficiency and Conservation</u>		
Indoor Water Use		
4.303.1. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) installed in residential buildings shall comply with the prescriptive requirements of Sections 4.303.1.1 through 4.303.1.4.4.		
4.303.2 Plumbing fixtures and fittings required in Section 4.303.1 shall be installed in accordance with the <i>California Plumbing Code</i> , and shall meet the applicable referenced standards.		
Outdoor Water Use		
4.304.1 After December 1, 2015, new residential developments with an aggregate landscape area equal to or greater than 500 square feet shall comply with one of the following options: <ol style="list-style-type: none"> 1. A local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent; or 2. Projects with aggregate landscape areas less than 2,500 square feet may comply with the MWELO's Appendix D Prescriptive Compliance Option. 		
<u>Material Conservation and Resource Efficiency</u>		
Enhanced Durability and Reduced Maintenance		
4.406.1 Annular spaces around pipes, electric cables, conduits or other openings in plates at exterior walls shall be protected against the passage of rodents by closing such openings with cement mortar, concrete masonry or similar method acceptable to the enforcing agency.		
Construction Waste Reduction, Disposal and Recycling		
4.408.1 Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste in accordance with one of the following: <ol style="list-style-type: none"> 1. Comply with a more stringent local construction and demolition waste management ordinance; or 2. A construction waste management plan per Section 4.408.2; or 3. A waste management company per Section 4.408.3; or 4. The waste stream reduction alternative per Section 4.408.4. 		
Building Maintenance and Operation		
4.410.1 An operation and maintenance manual shall be provided to the building occupant or owner.		
4.410.2 Where 5 or more multifamily dwelling units are constructed on a building site, provide readily accessible areas that serve all buildings on the site and is identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive. See exception for rural jurisdictions		

ENVIRONMENTAL QUALITY

Fireplaces

4.503.1 Any installed gas fireplace shall be a direct-vent sealed-combustion type. Any installed woodstove or pellet stove shall comply with US EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits. Woodstoves, pellet stoves, fireplaces shall also comply with applicable local ordinances.

Pollutant Control

4.504.1 Duct openings and other related air distribution component openings shall be covered during construction.

4.504.2.1 Adhesives, sealants and caulks shall be compliant with VOC and other toxic compound limits.

4.504.2.2 Paints, stains and other coatings shall be compliant with VOC limits.

4.504.2.3 Aerosol paints and coatings shall be compliant with product weighted MIR limits for ROC and other toxic compounds.

4.504.2.4 Documentation shall be provided to verify that compliant VOC limit finish materials have been used.

4.504.3 Carpet and carpet systems shall be compliant with VOC limits.

4.504.4 80 percent of floor area receiving resilient flooring shall comply with specified VOC criteria.

4.504.5 Particleboard, medium density fiberboard (MDF) and hardwood plywood used on the interior or exterior of the building shall comply with the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure for Composite Wood.

Interior Moisture Control

4.505.2 Vapor retarder and capillary break is installed at slab on-grade foundations.

4.505.3 Moisture content of building materials used in wall and floor framing is checked before enclosure.

Environmental Comfort

4.507.2 Duct systems are sized, designed, and equipment is selected using the following methods:

1. Establish heat loss and heat gain values according to ANSI/ ACCA 2 Manual J-2011 or equivalent.
2. Size duct systems according to ANSI/ACCA 1Manual D-2014 or equivalent.
3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S-2014 or equivalent.

Installer and Special Inspector Qualifications

Qualifications

702.1 HVAC system installers are trained and certified in the proper installation of HVAC systems.

702.2 Special inspectors employed by the enforcing agency must be qualified and able to demonstrate competence in the discipline they are inspecting.

Verifications

703.1 Verification of compliance with this code may include construction documents, plans, specifications builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which show substantial conformance

1. Green building measures listed in this table may be mandatory if adopted by a city, county, or city and county as specified in Section 101.7
2. Required prerequisite for this Tier.
3. These measures are currently required elsewhere in statute or in regulation



CALGREEN SIGNATURE DECLARATIONS

Project Name: _____

Project Address: _____

Project Description: _____

SECTION 1 – DESIGN VERIFICATION

Complete all lines of Section 1 – “Design Verification” and **SUBMIT THE ENTIRE CHECKLIST (COLUMNS 2 AND 3) WITH THE PLANS AND BUILDING PERMIT APPLICATION TO THE BUILDING DEPARTMENT.**

The owner and design professional responsible for compliance with CalGreen Standards have reviewed the plans and certify that the items checked above are hereby incorporated into the project plans and will be implemented into the project in accordance with the requirements set forth in the 2013 California Green Building Standards Code as adopted by the City of Los Altos.

Owner's Signature

Date

Owner's Name (Please Print)

Design Professional's Signature

Date

Design Professional's Name (Please Print)

Signature of Green Point Rater

Date

Name of Green Point Rater (Please Print)

Phone No.

Email Address for Green Point Rater

License No.

SECTION 2 – IMPLEMENTATION VERIFICATION

Complete, sign and submit the completed checklist, including column 3, together with all original signatures on Section 2 to the Building Department **PRIOR TO BUILDING DEPARTMENT FINAL INSPECTION.**

I have inspected the work and have received sufficient documentation to verify and certify that the project identified above was constructed in accordance with this Green Building Checklist and in accordance with the requirements of the 2013 California Green Building Standards Code as adopted by the City of Los Altos.

Signature of Licensed Green Point Rater

Date

Name of Licensed Green Point Rater (Please Print)

Phone No.

Email address for Licensed Green Point Rater

License No.